

REMARKS

This case has been reviewed and analyzed in view of the Official Action dated 10 April 2003. Responsive to the objections and rejections made in the Official Action, Claims 1, 10, 11, 12 and 13 have been amended to clarify the combination of elements which form the invention of the subject Patent Application.

In the Official Action, the Examiner rejected Claims 1-3 and 5-8 under 35 U.S.C. § 103, as being unpatentable over Cho, U.S. Patent #6,490,186 in combination with Sadler, U.S. Patent #6,290,534 and Amero, Jr., US. Patent #5,631,101. Claims 4 and 11 were rejected under 35 U.S.C. § 103, as being unpatentable over Cho in combination with Sadler and Amero, Jr., and further in combination with Tung, et al., U.S. Patent #6,528,969. Additionally, Claim 9 was rejected under 35 U.S.C. § 103 as being unpatentable over the combination of Cho, Sadler and Amero, Jr., and further in combination with Huang, U.S. Patent #5,977,747. However, the Examiner kindly indicated that Claims 10 and 12-14 would be allowable if rewritten in independent form including all of the limitations of the base Claim.

Accordingly, Claims 10, 12 and 13 have been amended to place those Claims in independent form, including all of the limitations of Claim 1, the base Claim. Further, Claim 11 has been amended to change its dependency to Claim 10, and thus now is dependent upon an allowable base Claim and should be allowable for at least the same reasons. Accordingly, it is now believed that Claims 10-14 are now allowable.

With respect to Claim 1, such now calls for the combination of an output socket, an output cord and a plurality of spring contacts which together provide for simultaneous charging of a plurality of portable devices.

It is respectfully submitted that the Cho reference is directed to an apparatus for supplying auxiliary power to a portable electronic device. The device includes a casing 10 housing a battery pack 30 and a circuit board 44 providing a charging circuit for charging the battery. Nowhere does the reference disclose or suggest a combination of an output socket, and output cord and a plurality of spring contacts to provide for simultaneous charging of a plurality of portable devices. In contradistinction, the Cho reference is particularly directed to providing a power supply for a single portable electronic device, and thus teaches away from the invention of the subject Patent Application.

The Sadler reference fails to overcome the deficiencies of Cho. The Sadler reference is similarly directed to a system that supplies power to a single electronic device, utilizing a mounting stage to support the device while the device is coupled to the connector 166. Thus, the Sadler reference also teaches away from the invention of the subject Patent Application.

The Amero, Jr. reference fails to overcome the deficiencies of Cho combined with Sadler. The Amero, Jr. reference is directed to a modular battery pack comprising a housing 16 into which a circuit cartridge 14 and a battery cell cartridge 12 are received. The modular battery pack is connected to an electronic device through a connector 24, interpreted by the

→ arising  
with  
a

MR2349-784

Examiner as being spring contacts. The contact block, shown in FIG. 2, is disclosed as supporting separate contacts for both the electronic device 40 and the charger 72, Column 6, Lines 37-39.

Thus, the combination of Cho, Sadler and Amero, Jr. fails to disclose or suggest the combination of elements which form the invention of the subject Patent Application, as now claimed, and therefore cannot make obvious that invention. Similarly, neither Tung, et al. nor Huang discloses or suggests the combination of an output socket, an output cord, and a plurality of spring contacts to provide simultaneous charging of a plurality of portable devices and thus, even if combined with Cho, Sadler and Amero, Jr., such still would fail to make obvious the invention of the subject Patent Application. *use fig. in reply & fig*

It is now believed that the subject Patent Application has been placed in condition for allowance, and such action is respectfully requested.

Respectfully submitted,  
For: ROSENBERG, KLEIN & LEE



David I. Klein  
Registration #33,253

Dated: *25 July 2003*

Suite 101  
3458 Ellicott Center Drive  
Ellicott City, MD 21043  
(410) 465-6678

DIK/ds



04586

PATENT TRADEMARK OFFICE

MARKED-UP VERSION OF AMENDED CLAIMS

1. (Amended) A portable multi-function charger, comprising:

a body having a cavity therein;

a circuit section arranged in the cavity and having a circuit board with a plurality of spring contacts;

at least one an input end , an output socket and an output cord each

connected to the circuit board, and

a mounting stage connected to the body and with the plurality of spring

contacts extending into the mounting stage, wherein the output socket, the output cord and

the plurality of spring contacts provide for simultaneous charging of a plurality of portable

devices.

10. (Amended) A ~~The~~ portable multi-function charger ~~as in claim 1, wherein ,~~

comprising:

a body having a cavity therein;

a circuit section arranged in the cavity and having a circuit board with

a plurality of spring contacts;

an input end and an output cord connected to the circuit board, the input

end is being connected to a plug, the plug is being connected to a connector through an input

MR2349-784

cord; and,

a mounting stage connected to the body and the spring contacts extending into the mounting stage.

11. (Amended) The portable multi-function charger as in claim 10, wherein the output cord is also connected to a plug.

12. (Amended) ~~A The portable multi-function charger as in claim 1, wherein ,~~  
comprising:

a body having a cavity therein;

a circuit section arranged in the cavity and having a circuit board with

a plurality of spring contacts;

an input end and an output cord connected to the circuit board; and,

a mounting stage connected to the body and the spring contacts extending into the mounting stage, the mounting stage is being integrally formed on an outer surface of the body.

13. (Amended) ~~A The portable multi-function charger as in claim 1, wherein ,~~  
comprising:

a body having a cavity therein;

MR2349-784

a circuit section arranged in the cavity and having a circuit board with  
a plurality of spring contacts;  
an input end and an output cord connected to the circuit board; and,  
a mounting stage connected to the body and the spring contacts  
extending into the mounting stage, the mounting stage is being detachably assembled to an  
outer surface of the body.